



**Australian Government**

# **UEERE0025 Carry out basic repairs to renewable energy (RE) apparatus**

**Release: 1**

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## **Modification History**

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

## **Application**

This unit involves the skills and knowledge required to carry out repairs to renewable energy (RE) apparatus.

It includes preparing to repair RE apparatus, repairing RE apparatus, completing and reporting on repair activities.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Note: Those holding an 'Unrestricted Electrician's Licence' or equivalent issued in an Australian state or territory meet the prerequisite requirements of this unit.

## **Pre-requisite Unit**

UEECD0043 Solve problems in direct current circuits

or

UEECD0044 Solve problems in multiple path circuits

UEECD0046 Solve problems in single path circuits

and

UEECD0025 Lay wiring/cabbling and terminate accessories for extra-low voltage (ELV) circuits

or

UEEEL0023 Terminate cables, cords and accessories for low voltage circuits

## **Competency Field**

Renewable Energy

## **Unit Sector**

Electrotechnology

## Elements and Performance Criteria

### ELEMENTS

### PERFORMANCE CRITERIA

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

#### 1 Prepare to repair RE apparatus

**1.1** Work health and safety (WHS)/occupational health and safety (OHS) processes and procedures for relevant work area are identified and applied in accordance with workplace procedures

**1.2** Risk control measures are applied in accordance with workplace procedures prior to commencing work

**1.3** Nature of repair is obtained from documentation or relevant person/s to determine the scope of work

**1.4** Instructions for coordinating work with others are obtained from relevant person/s and applied

**1.5** Materials required for the work are identified and accessed in accordance with workplace procedures

**1.6** Tools, apparatus and testing devices required for work are obtained and checked for correct operation and safety

#### 2 Repair RE apparatus

**2.1** Need to test or measure live electrical work is determined in accordance with WHS/OHS requirements and conducted in accordance with workplace procedures

**2.2** Circuits/apparatus are isolated in accordance with WHS/OHS requirements and workplace procedures

**2.3** Apparatus is dismantled in accordance with manufacturer guides and instructions from relevant person/s

**2.4** Component parts are tagged during dismantling to ensure correct and efficient reassembly and stored to protect against loss or damage

**2.5** Apparatus is assembled in required sequence with all parts placed, secured and connected in accordance with manufacturer guides or industry practice

**2.6** Non-routine events are referred to relevant person/s for directions in accordance with workplace procedures

- 2.7** Repairs are completed minimising waste of materials, damage to apparatus, the surrounding environment and services applying sustainable energy practices
- 3 Complete and report repair work activities**
- 3.1** Repaired apparatus is prepared for testing by relevant person/s
- 3.2** Work area is cleaned and made safe in accordance with workplace procedures
- 3.3** Relevant person/s is notified of repair work completion in accordance with workplace procedures

## Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UEE Electrotechnology Training Package Companion Volume Implementation Guide.

Repairs must include the following:

- RE apparatus limited to replacement or repair of components in which the fault has been previously determined
- two different RE apparatus in which three different types of components are faulty, one of which is mechanical

Carrying out repairs to RE apparatus must include the following:

## Unit Mapping Information

This unit replaces and is equivalent to UEENEEK123A Carry out basic repairs to renewable energy apparatus.

## Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>